

LEBEDEVA, L.I.; ZHUKOVA, N.A.

Complex compounds of trivalent iron and hexavalent molybdenum.
Zhur. neorg. khim. 8 no.7:1634-1638 JI '69.

(MIRA 16:7)

(Iron compounds)

(Molybdenum compounds)

RUDAKOVA, S.F.; ZHUKOVA, N.A.; KHNYCHEV, S.S.; SUSANYAN, T.A.; KOZLOVA, I.I.

Some new aspects of the effect of ϵ -aminocaproic acid
on the organism. Vest. AMN SSSR 20 no.9:74-77 '65.
(MIRA 18:11)

1. Institut meditsinskoy radiologii AMN SSSR, Otdinsk.

KOZIN, Leonid Fomich; STROMBERG, A.G., prof., red.; ZHUKOVA, N.D.,
red.

[Physicochemical principles of amalgam metallurgy] Fiziko-
khimicheskie osnovy amal'gamnoi metallurgii. Alma-Ata,
Izd-vo "Nauka," 1964. 360 p. (MIRA 18:2)

PONOMAREV, V.D., otv.red.; NI, L.P., red.; RUBAN, N.N., red.;
SAZHIN, V.S., red.; SOLENKO, T.V., red.; ZHUKOVA, N.D., red.;
RCROKINA, Z.P., tekhn.red.

[Chemistry and technology of alumina; transactions] Khimiia i
tekhnologia glinozema; trudy. Alma-Ata, Izd-vo Akad.nauk
Kazakhskoi SSR, 1961. 162 p. (MIRA 15:5)

1. Vsesoyuznoye soveshchaniye po khimii i tekhnologii glinozema,
Alma-Ata, 1959. 2. Institut metallurgii i obogashcheniya AN Kazakh-
skoy SSR (for Ni). 3. Kazakhskiy politekhnicheskii institut (for
Ponomarev, Sazhin). (Alumina)

TARABAYEV, Said Imambekovich; PONOMAREV, V.D., prof., doktor
tekhn. nauk, otv. red.; ZHUKOVA, N.D., red.; ALFEROVA,
P.F., tekhn. red.

[Hydrochloric acid methods in the metallurgy of lead and
zinc] Solianokislotnyi metod v metallurgii svintsa i tsinka.
Alma-Ata, Izd-vo AN KazSSR, 1962. 194 p. (MIRA 15:7)

1. Chlen-korrespondent Akademii nauk Kazakhskoy SSR (for
Ponomarev).

(Lead--Metallurgy) (Zinc--Metallurgy)

LEBEDEV, Konstantin Borisovich; TARANENKO, B.I., otv. red.; PUSHKINA,
I.I., red.; ZHUKOVA, N.D., red; ALFEROVA, P.F., tekhn. red.

[Production of calcium molybdate] Proizvodstvo molibdata kal'-
tsiia. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 119 p.
(MIRA 15:5)

(Calcium molybdate)

PAL'GOV, N.N., akademik, otv. red.; ZHUKOVA, N.D., red.; ROROKINA, Z.P.,
tekh. red.

[Glaciological research during the International Geophysical Year]
Gliatsiologicheskie issledovaniia v period MGO; Zailiskii i Dzhun-
garskii Alatau. Alma-Ata, No.1. 1961. 233 p. (MIRA 14:9)

1. Akademiya nauk Kazakhskoy SSR. Otdel Geografii. 2. Akademiya nauk
Kazakhskoy SSR (for Pal'gov).
(Trans-Ili Ala-Tau--Glaciers) (Dzhungarian Ala-Tau--Glaciers)

POTOTSKIY, Vasilii Borisovich; KRIVOSHEIN, N.G., prof., otv. red.
ZHUKOVA, N.D., red.

[Principles of the theory and design of hydraulic percus-
sion drilling machines with pulsating-pressing action] Os-
novy teorii i proektirovaniia gidroudarnykh burovykh ma-
shin pul'satsionno-pressovogo deistviia. Alma-Ata, Izd-vo
AN Kaz.SSR, 1964. 68 p. (MIRA 17:4)

CHOKIN, Sh.Ch., otv. red.; AKHMEDSAFIN, U.M., red.; MAYZEL', S.Ya., red.; OSORGIN, A.V., red.; ZHUKOVA, N.D., red.; SEMENOV, M.N., red.; ALFEROVA, P.F., tekhn. red.

[Productive forces of central Kazakhstan] Proizvoditel'nye sily Tsentral'nogo Kazakhstana; trudy sessii. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR. Vol.5. [Power engineering, water supply engineering, construction, and transportation] Energetika i vodnoe khoziaistvo, stroitel'stvo i transport. 1959. 257 p.

(MIRA 15:12)

1. Ob'yedinennaya nauchnaya sessiya po problemam razvitiya proizvoditel'nykh sil Tsentral'nogo Kazakhstana, Karaganda, 1958.
2. Institut energetiki Akademii nauk Kazakhskoy SSR (for Mayzel').
3. Akademiya nauk Kazakhskoy SSR (for Chokin).
4. Institut geologicheskikh nauk Akademii nauk Kazakhskoy SSR (for Akhmedsafin).
5. Institut ekonomiki Akademii nauk Kazakhskoy SSR (for Osorgin).

(Kazakhstan--Water supply engineering)

(Kazakhstan--Construction industry)

(Kazakhstan--Transportation)

TARABAYEV, Said Imambekovich; PONOMAREV, V.D., doktor tekhn. nauk,
prof., otv. red.; ZHUKOVA, N.D., red.; AL'FEROVA, P.F.,
tekhn. red.

[Hydrochloric acid method in the metallurgy of lead and zinc]
Solianokislotnyi metod v metallurgii svintsa i tsinka. Alma-
Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 194 p.
(MIRA 15:10)

1. Chlen-korrespondent Akademii nauk Kazakhskoy SSR (for
Ponomarev).

(Lead—Metallurgy) (Zinc—Metallurgy)
(Hydrometallurgy)

BAKAYEV, M.T.; NUGMANOV, K.Kh.; SEYDUALIYEV, Z.S.; IBRAYEV, Sh.I.;
ULUKBEKOV, O.K.; MUSIN, A.Ch., doktor tekhn. nauk, prof.,
red.; ABDRAKHMANOV, A., kand. filolog. nauk; ASAINOV, M.,
red.; AYTUKHAMBETOVA, S., red.; ZHUKOVA, N.D., red.;
KHUDYAKOV, A.G., tekhn. red.

[Russian-Kazakh dictionary of terminology] Russko-kazakhskii
terminologicheskii slovar'. Alma-Ata, Izd-vo Akad. nauk
Kazakhskoi SSR. Vol.12[Mining]Gornoe delo. 1962. 281 p.
(MIRA 15:11)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut yazy-
koznaniya.

(Mining engineering---Dictionaries)
(Russian language---Dictionaries---Kazakh)

ISKAKOVA, Kaden; DOLGUSHIN, I.A., doktor biolog.nauk, otv.red.;
ZHUKOVA, N.D., red.; ROROKINA, Z.P., tekhn.red.

[Amphibia of Kazakhstan] Zemnovodnye Kazakhatana, Alma-Ata,
Izd-vo Akad.nauk Kazakhskoi SSR, 1959. 92 p. (MIRA 13:1)
(Kazakhstan--Amphibia)

AFANAS'YEV, Aleksandr Vasil'yevich; SUVOROVA, R.I., red.; ZHUKOVA, N.D.,
red.; POGOZHEV, A.S., red.; RCHOKINA, Z.P., tekhn.red.

[Zoogeography of Kazakhstan; based on the distribution of mammals]
Zoogeografiia Kazakhatana; na osnove rasprostraneniia mlekopi-
taiushchikh. Alma-Ata, Izd-vo Akad.nauk Kazakhskoi SSR, 1960.
258 p. (MIRA 14:1)

(Kazakhstan--Zoogeography)

ZHUKOVA, Nina Georgiyevna; MAMCHINSKIY, Vladislav Ivanovich;
PONOMAREV, Konstantin Alekseyevich

[Prospectors for minerals prospectors of the future; a
story of the Nikolaevskaia geological prospecting crew]
Razvedchiki neдр - razvedchiki budushchego; rasskaz o
Nikolaevskoi geologorazvedochnoi partii. Vladivostok,
Primorskoe knizhnoe izd-vo, 1963. 30 p.

(MIRA 17:8)

ZHUKOVA, N.I.

USSR/Metals -- Steel, Testing

1 May 52

"On the Effect of Cracks on the Mechanical Properties of Material At Various Stressed Conditions," Ya. B. Fridman, T. K. Zilova, N. I. Zhukova

"Dok Ak Nauk SSSR" Vol LXXXIV, No 1, pp 67-70

Studies influence of previously formed cracks using double test specimens with 3 heads and two gauge lengths. Application of torsional force to entire specimen up to failure of one half of it imposed cracks on its other part which was subjected to consequent tension. Graphically represents test results and discusses effect of cracks on deformation process. Submitted by Acad P. A. Rebinder 7 Mar 52

224T64

FRIDMAN, Ya.B.; ZILOVA, T.K.; ZHUKOVA, N.I.

Inhomogeneity of plastic deformation in the notched region and
the defect sensitivity of materials. Fiz. met. i metalloved. 1
no.3:553-561 '55. (MLRA 9:6)
(Deformation (Mechanics))(Steel--Testing)

ZHUKOVA, N.M. (Leningrad, 9, ul. Lebedeva, 37)

"Textbook of human histology and microanatomy" by P. Stoehr,
W.V. Moellendorf. Reviewed by N.M. Zhukova. Arkh. anat. gist.
1 embr. 39 no. 12:114-116 '60. (MIRA 14:2)

1. Kafedra gistologii i embriologii Voenno-meditsinskoy ordena
Lenina akademii im. S.M. Kirova.
(HISTOLOGY) (STOHR, P.) (MOELLENDORF, W.V.)

ACC NR: AM6029197

Monograph

UR/

Ass, Boris Abramovich; Zhukova, Nina Mikhaylovna; Antipov, Yevgeniy Fedorovich

Parts and units of aviation instruments and their design (Detali i uzly aviatsionnykh priborov i ikh raschet) 2d ed., rev. and enl. Moscow, Izd-vo "Mashinostroyeniye", 1966. 415 p. illus., biblio., tables. Textbook for students at aviation engineering technical schools. 15,000 copies printed.

TOPIC TAGS: auxiliary aircraft equipment, aircraft engine instrument, aircraft flight instrument, shock absorber, gyroscope

PURPOSE AND COVERAGE: The book is intended as a textbook for students of aircraft building technical schools and the aircraft instrumentation industry staff. Detailed information is presented on theory and design in the field of aircraft instrumentation and accessories such as sensor elements, mechanical transmitters, and amplifying mechanisms, components of gyroscopic instrumentation, current-carrying and computing equipment, shock absorbers, damping mechanisms, and bearings. Drawings and illustrations appear throughout the text, and formulas are given for solving various problems in the field. A brief review is given in the introduction of known contributors to the development of the Soviet aircraft instrumentation industry. Review and suggestions regarding the manuscript of this book were provided by Doctor of Technical Sciences D. A. Braslavskiy and Engineer A. A. Nikolayeva. There are 66 references, 65 of which are Soviet.

Card 1/2

UDC: 629.13.05(075)

ACC NR: AM6029197

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OTH REF: 001/

Card 2/2

AGRANOVSKIY, Z. M.,; ZHUKOVA, N. M.

Some problems of pathogenesis in diphyllbothriasis. Trudy LSCMI
67:309-325 '62. (MIRA 15:7)

1. Kafedra gigiyeny pitaniya s klinikoy alimentarnykh zabole-
vaniy Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo
instituta (zav. kafedroy - prof. Z. M. Agranovskiy).

(TAPEWORMS)

BODAZHKOVA, K. N.; VANKHANEN, V. D.; ZHUKOVA, N. M.

Hygienic evaluation of potatoes grown in soil treated with
aldrin and dieldrin. Trudy LSGMI 67:326-335 '62.

(MIRA 15:7)

1. Kafedra gigiyeny pitaniya s klinikoy alimentarnykh zabo-
vaniy Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo
instituta (zav. kafedroy - prof. Z. M. Agranovskiy).

(ALDRIN--TOXICOLOGY) (POTATOES)
(DIELDRIN--TOXICOLOGY)

BODAZHKOVA, K. N.; ZHUKOVA, N. M.; MAMAS', N. N.

Use of dieldrin for preparing some agricultural crops. Trudy
LSGMI 67:336-341 '62. (MIRA 15:7)

1. Kafedra gigiyeny pitaniya s klinikoy alimentarnykh zabo-
vaniy Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo
instituta (zav. kafedroy - prof. Z. M. Agranovskiy).

(DIELDRIN—TOXICOLOGY) (POTATOES)

VESELOV, P.I., dotsent; ZHUKOVA, N.M.; ZIMINA, A.I., tekhnik

Fluctuations of the percentage of fat in milk and methods of determining the butterfat percentage of cows for a lactation period. Sbor. nauch. trud. Ivan. sel'khoz. Inst. no.19: 163-166 '62. (MIRA 17:1)

1. Kafedra razvedeniya sel'skokhozyaystvennykh zhiivotnykh i molochnogo dela (zav. - prof. V.Ye. Al'tshuler) Ivanovskogo sel'skokhozyaystvennogo instituta. 2. Starshiy laborant kafedry razvedeniya sel'skokhozyaystvennykh zhiivotnykh i molochnogo dela Ivanovskogo sel'skokhozyaystvennogo instituta. (for Zhukova).

ZHUKOVIT, N. M.

PHASE I BOOK EXPLOITATION SOV/5287

Ass, Boris Abramovich, and Nina Mikhaylovna Zhukova

Detali i uzly aviatsionnykh priborov i ikh raschet (Parts and Elements of Aviation Instruments and Their Design) Moscow, Oborongiz, 1960. 357 p. Errata slip inserted. 8,000 copies printed.

Reviewers: Leningradskiy tekhnikum aviatsionnogo priborostroyeniya i avtomatiki and D. A. Braslavskiy, Candidate of Technical Sciences; Ed.: B.A. Miloslavov, Candidate of Technical Sciences; Ed. of Publishing House: F. G. Tubyanskaya; Tech. Ed.: V. I. Oreshkina; Managing Ed.: S. D. Krasil'nikov, Engineer.

PURPOSE: This textbook is intended for students at aviation tekhnikums as an aid in instrument design work and for workers in the aircraft instrument industry.

COVERAGE: Theoretical fundamentals, computing methods, and samples of computations of aircraft instrument components are given. Mechanical and electrical components are discussed and special attention is given to the physical principles of instrument operation. The introduction and Ch. I were written by the authors jointly; Subsections 9-24 of Ch. II, Subsection 28 of Ch. III, and Chapters VI,

Card 1/7

ASS, Boris Abramovich; ZHUKOVA, Nina Mikhaylovna; BRASLAVSKIY, D.A.,
kand.tekhn.nauk, retsenzent; SHUBIN, M.P., inzh., retsenzent;
MILOSLAVOV, B.A., kand.tekhn.nauk, red.; TUBYANSKAYA, F.G.,
izdat.red.; ORNESHKINA, V.I., tekhn.red.

[Parts and units of aeronautical instruments and their design]
Detali i uzly aviatzionnykh priborov i ikh raschet. Moskva, Gos.
nauchno-tekhn.isd-vo Oborongiz, 1960. 357 p.

(MIRA 14:3)

(Aeronautical instruments)

ZHUKOVA, N.M.

Reactivity of the gastric epithelium in injuries. Trudy LSGMI 16:
160-168 '53. (MIRA 10:8)

1. Kafedra gistologii i embriologii Leningradskogo sanitarno-
gigiyenicheskogo meditsinskogo instituta (sav. kafedroy prof.
S.I.Shchelkunov)

(STOMACH, physiology,
regen. of epithelium in cats)

(REGENERATION,
stomach epithelium, in cats)

(EPITHELIUM,
stomach, regen. in cats)

ZHUKOVA, N.M.; MOGILEVCHIK, Z.K.; SENCHUK, V.S.

Sanitary and hygienic characteristics of typical housing construction
in recent years in Minsk (preliminary report). Zhdrav. Bel. 7 no.12:
45-50 D '61. (MIRA 15:2)

1. Iz kafedry gigiyony Minskogo meditsinskogo instituta (zaveduyushchiy -
prof. Z.K.Mogilevchik) i Minskoy gorsanepidstantsii (glavnyy vrach
I.A. Chakhovskiy).
(MINSK HOUSING, HYGIENIC ASPECTS)

ZHUKOVA, N.M.

Changes in the gastric epithelium following injury [with summary
in English]. Trudy ISGMI 42:170-184 '58 (MIRA 11:12)

1. Kafedra gistologii i embriologii Leningradskogo sanitarno-
gigiyenicheskogo meditsinskogo instituta (sav. kafedroy - chlen-
korrespondent AMN SSSR, prof. S.I. Shchelkunov).

(STOMACH, physiology,
regen., epithelial (Rus))
(REGENERATION,
stomach epithelium (Rus))

ZHUKOVA, N.N.

Errors in determining the mineral element of Baltic shales. Trudy
VNIIPS no.3:112-115 '55. (MIRA 8:12)
(Baltic Sea region--Oil shales) (Hydrocarbons)

ZHUKOVA, N.N.; VELETSSEY, Ye.V.

Rapid method for analyzing mineral CO₂ in shales. Trudy VNIIPS
no.3:116-119 '55. (MLRA 8:12)
(Baltic Sea region--Oil shales) (Hydrocarbons)

ZHUKOVA, N.N.

Problem of a concentration standard for hydrocyanic acid in gas
for domestic use. Trudy VNIIPS no.4:125-129 '55. (MIRA 13:4)
(Leningrad--Gases--Analysis) (Hydrocyanic acid)

ZHUKOVA, N.N.

Rapid method for determining CO₂ in carbonates of solid residue
of thermal processing of shale. Trudy VNIIPS no.5:311-316 '56.
(Oil shales) (Carbon dioxide) (MLRA 10:5)

ZHUKOVA, N.N.

Determination of small concentrations of naphthalene in synthetic
gases. Trudy VNIIPS no.6:216-221 '58. (MIRA 11:8)
(Gases--Analysis) (Naphthalene--Analysis)

ZHUKOVA, N. N.

Quantitative determination of organic matter in oil shales.
Trudy VNIIPS no.7:17-20 '59. (MIRA 12:9)
(Oil shales)

SINEL'NIKOV, A.S.; ZHUKOVA, N.N. [deceased]; NIKITINA, N.7.

Concerning the reactivity of peat charcoal. Trudy VNIIT no.13:
138-143 '64. (MIRA 18:2)

ZHUKOVA, N.P.; SHAKHOVA, N.B.(Gor'kiy)

Experience of the Gor'kiy Pediatric Research Institute in practical
aid to public health organizations. Sov.zdrav. 20 no.5:23-26 '61.

(MIRA 14:5)

(GORKIY--PEDIATRICS)

ZHUKOVA, N.P.

Adaptation of children admitted to day nurseries in the first year
of life in relation to individual peculiarities of nervous system.
Vop.okh.mat. i det. 4 no.4:73-77 J1-Ag '59. (MIRA 12:12)

1. Iz Gor'kovskogo pediatricheskogo nauchno-issledovatel'skogo insti-
tuta (dir. - N.P. Zhukova, nauchnyye rukovoditeli - prof. A.G. Tseyt-
lin i N.I. Kozin).
(CHILD STUDY) (DAY NURSERIES)

ZHUKOVA, N. P. Cand Med Sci -- "~~The~~ Nature of the adaptation of children admitted to ~~nursery~~ ^{nurseries} in the first year of life ~~in relation to~~ ^{as a function of} typological tendency, state of health, peculiarities of care, training, and other factors." Gor'kiy, 1960 (Gor'kiy State Med Inst im S. M. Kirov). (KL, 1-61, 207)

ZHUKOVA, N. V.

USSR/Physics Luminescence Phosphors

Nov 48

"The Influence of Excitation Conditions on the Temperature Intensity of Luminescence in ZnS-Cu Phosphors," M. L. Kats, N. V. Zhukova, Inst of Phys Saratov State U, 3 3/4 pp

"Dok Ak Nauk SSSR" Vol LXIII, No 3

As a result of measurements, it may be assumed that deep accentuated levels form only a small fraction of the total number of small levels in ZnS-Cu and that; therefore, differences cited in intensity of luminescence in weak and complete excitation are obviously unimportant. Submitted by Acad S. I. Vavilov 1 Oct 46.

PA 55/49T100

ZHUKOVA, N. V.

PA 239T95

USSR/Physics - ZnS-Cu Phosphors | 11 Aug 52

"Influence of Flux on Localization Level of Electrons
in ZnS-Cu Phosphors," N. V. Zhukova, Phys Inst, Mos-
cow State U

"DAN SSSR" Vol 85, No 5, pp 981-984

Investigates by method of temp luminescence the influ-
ence of alkali-halide fluxes on the formation of local
levels of a phosphor. Acknowledges guidance of Prof
V. L. Levshin. Submitted by Acad A. N. Terenin
11 Jun 52.

239T95

ZHUKOVA, N. V.
Luminescence

Dissertation: "Investigation of the Accumulation Capacity and the Origin of
Localization Levels of Electrons in Zinc-Sulfide Phosphors." Cand Phys-Math Sci,
Moscow Order of Lenin State U imeni M. V. Lomonosov, 17 Mar 54. (Vechernyaya Moskva,
Moscow, 4 Mar 54)

SO: SUM 213, 20 Sep 1954

ZHUKOVA, N. V.

USSR/Optics - Physical Optics, -K-5

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 35775

Author: Zhukova, N. V., Kats, M. L.

Institution: None

Title: Temperature Glow of ZnS-Cu Luminophors

Original

Periodical: Uch. zap. Saratovsk. un-t, 1954, 40, 115-120

Abstract: Two peaks, -150° and -63° , were observed on the curves of the thermal glow of a ZnS-Cu phosphor, excited at temperature of liquid oxygen, in the investigated temperature range (up to 0°). If the same phosphor is excited at room temperature and then cooled to the temperature of liquid oxygen, the curve of the thermal glow had only one very weak peak around -4° . The light sum in this case is approximately 7% of the total light sum stored by the phosphor, excited at low temperatures. From this it follows that the number of the acceptor levels, at which the electrons are localized at low temperature, amounts to an

Card 1/2

USSR/Optics - Physical Optics, K-5

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 35775

Abstract: insignificant fraction of the total number of the shallower levels, on which they are localized at low temperature. The depth of these levels, calculated using the method by V. V. Antonov-Romanovskiy (Izv. AN SSSR, ser. fiz., 1946, 10, 474) is 0.3 ev.

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K-5

Zhukova, N. V.

5/28

Accumulative capacity and origin of localization of electrons in the bands of phosphors. N. V. Zhukova, M. V. Lomonosov State Univ., Moscow. *Dokl. Akad. Nauk S.S.S.R.* 103: 1001-1005 (1955). — Up to now investigations of extinction of crystallophosphors have been conducted at randomly selected temps. In the equation $I = I_0 e^{-at}$ it had been previously considered that the value of a was detd. by the abs. magnitude of selected temp. If the temp. of extinction is selected equal to the temp. of max. detg. the depth of band of local levels, then regardless of the large interval of temp. of investigations (up to 150°) a has the same value for all bands of the same sample within exptl. accuracy. The reduction of the total light of separate max. follows the law $S = S_0 e^{-bt}$ where b detns. the depth of the level. Y. A. Reznarski

10/15

RECEIVED
FBI

ZHUKOVA, N.V.; YEVDOKIMOVA, G.K.; LEVSHIN, V.L.

Dependence of the quenching of phosphorescence on the occupancy of localization levels by electrons and on temperature. Izv. AN SSSR. Ser. fiz. 25 no.4:476-478 Ap '61. (MIRA 14:4)

1. Moskovskiy aviatsionnyy institut imeni Sergo Ordzhonikidze Fizicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta imeni M. V. Lomonosova.

(Phosphorescence)
(Crystal lattices)

22165

S/048/61/025/004/014/048
B104/B201

24,3500

AUTHORS: Zhukova, N. V., Yevdokimova, G. K., and Levshin, V. L.

TITLE: Damping of phosphorescence as a function of the filling of electron localization levels and temperature

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, v. 25, no. 4, 1961, 476-478

TEXT: The present paper has been read at the 9th Conference on Luminescence (Crystal Phosphors), Kiyev, June 20-25, 1960. The authors wanted to study the filling of electron localization levels at different excitation temperatures of a phosphor, to establish a relationship between the damping of phosphorescence and the liberation of electrons of variously deep localization levels, and to clarify the part played by secondary localizations in the natural damping of the phosphor. The investigation covered specimens of phosphor $ZnS-Cu(6 \cdot 10^{-5} \text{ g/g}), Co(10^{-5} \text{ g/g})$, which has a wide band of thermal de-excitation with a temperature interval of $180^{\circ}C$ and a maximum at $75^{\circ}C$. The specimens were excited by X-rays (366 m μ and

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B104/B201

Damping of...

436 mμ simultaneously) for 10 minutes at temperatures between -14°C and +130°C. After excitation the specimens were dipped into liquid nitrogen, and next, the curve of thermal de-excitation was measured. It may be seen from the diagrams presented in Fig. 1 that the light sums stored by the specimens drop with a rise of the excitation temperature (Fig. 1b), and that the curve of thermal de-excitation is deformed. It is further assumed that in the first stages of damping the major part of shallow levels, whose T_{max} is considerably lower than the excitation temperature, participates in the process. With a view to clarifying which levels were de-excited to what extents in the individual damping stages, the specimens were excited at 18°C, and, after variously long damping times (0-37 min) the thermal de-excitation curve was determined. Results are graphically presented in Fig. 2a. On a decrease of the light sum, the maximum of thermal de-excitation shifts toward higher temperatures. As in the damping process, the shallower levels are first set free, and the deeper ones afterwards. At the same time, a migration from the more shallow to the deeper levels takes place, so that the number of electrons at the deeper levels during damping is in some cases larger than after excitation. This results is shown in Fig. 2b which illustrates the change of the filling of levels of different

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22165

S/048/61/025/004/014/048
B104/B201.

Damping of...

depths during the damping process. It has been finally possible to show the participation of a part of levels of a wide depth range in each damping stage. There are 2 figures and 3 references: 2 Soviet-bloc and 1 non-Soviet-bloc.

ASSOCIATION: Moskovskiy aviatsionnyy institut im. Sergo Ordzhonikidze
(Moscow Aviation Institute imeni Sergo Ordzhonikidze)
Fizicheskiy fakul'tet Moskovskogo gos. universiteta im.
M. V. Lomonosova (Division of Physics of Moscow State
University imeni M. V. Lomonosov)

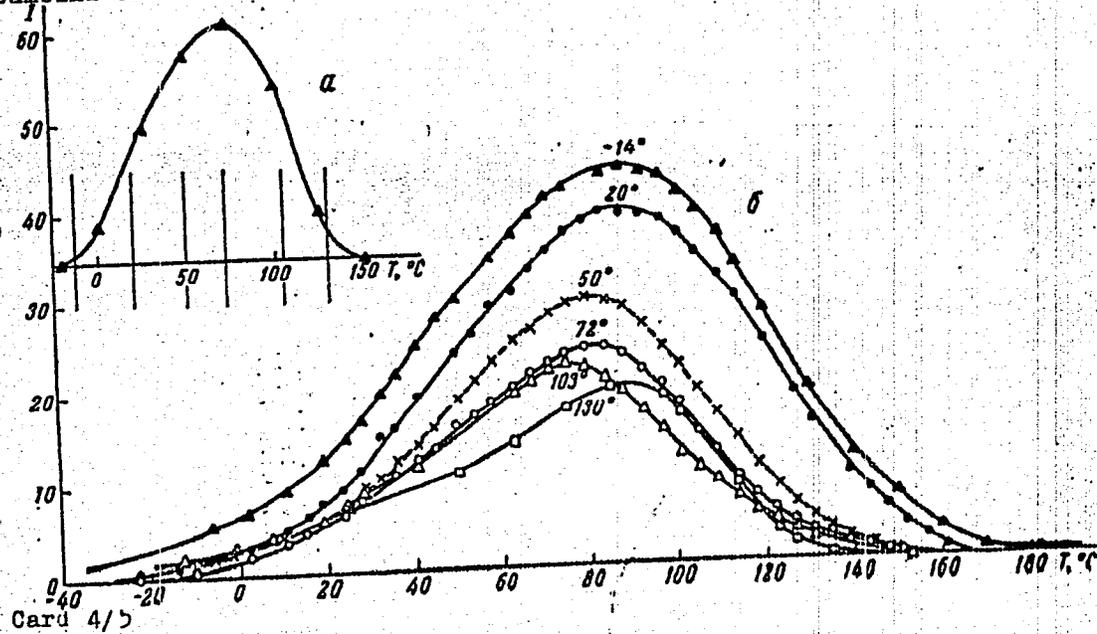
4

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22165

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B104/B201

Damping of...



S/048/61,225/004/014/048
B104/B20

Damping of...

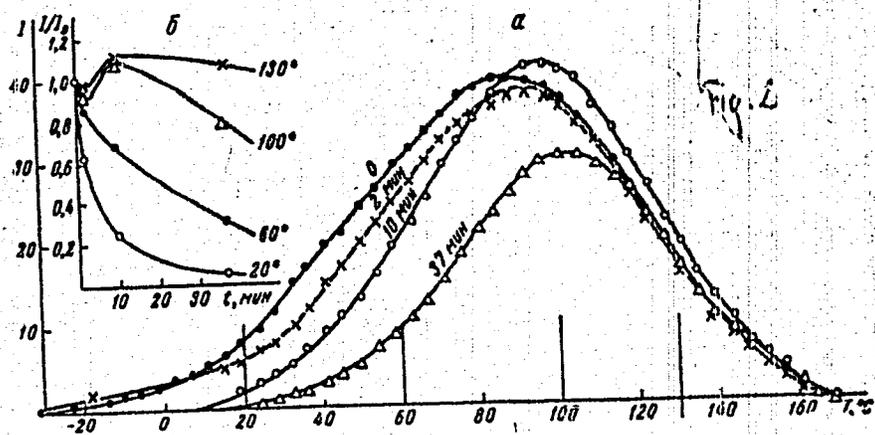


Fig. 2

Car 3 / 5

AUTHOR: Zhukova, O., Physician, Member of the Section of ~~Underwater~~ Swimming of the Central Maritime Club of the DOSAAF. 29-1-19/20

TITLE: ~~Underwater~~ Hunting (Okhota pod vodoy).

PERIODICAL: Tekhnika Molodezhi, 1958, No 4, pp. 33-36,39 (USSR).

ABSTRACT: The first light submarine apparatus - "aqualanges" (akvalangi), masks, rubber-fins and other equipment were invented only recently. By them, the submarine world was made available to a great number of sportsmen. The author participated in a submarine expedition in the Black Sea in summer 1957. The water in the Black Sea is clear. The sunbeams easily attain a depth of 10 to 15 m. The beauty of submarine world is inexpressible. There are more than 160 various species of fish in the Black Sea. Some fish are very curious and approach men without shy by swimming. Others observe men from far. Some fish are dangerous for the diver. Their poisonous bites are treated in the same way as the bite by a snake. The sharks are shy and are able to wound the diver, just like the dolphins, only incidentally by their coarse skin. Large sword-fish are only scarcely met with in the vicinity of the coast. Hunting of fish in an

Card 1/2

Underwater Hunting

29 April 1920

"aqualange" is prohibited all over the world, since it enables the swimmer to stay more than 1 hour in the water and to dive down to 140 m of depth. This would convert a kind of sport into a slaughter. Unfortunately still too few instruments for submarine hunting are produced in the Soviet Union. Some equipments, however, can be manufactured by the expeditionists themselves. The following objects were produced by the expeditionists themselves and were also tried out: Universal mask, breathing tube, fins, submarine rifle, harpoon, spear. To the hunting equipment further belong: a stainless knife, a net or a box for the bag, waterproof cases for the camera, the watch and other small objects. Submarine hunting is harmless for a healthy man. The most important thing is to handle carefully the rifle. It is dangerous hunting in the vicinity of fishing-nets, motorboats and cutters. Diving is the decisive moment with submarine hunting. It is also of importance to move slowly and regularly for saving oxygen and therefore being able to stay longer in the water.

There are 2 figures.

AVAILABLE: Library of Congress.

Card 2/2 1. Underwater swimming-Equipment 2. Underwater swimming-USSR

ZBIKOVA, O.

Diving with a camera. Tekh.nol. 28 no.9:36 '60. (MIRA 13:10)
(Photography, Submarine--Equipment and supplies)

29392
S/193/61/000/010/007/008
A004/A101

15.8070

AUTHOR: Zhukova, O.F.

TITLE: Introducing the practice of the Leningrad Sovnarkhoz in the application of styracryl ("stirakril")

PERIODICAL: Byulleten' tekhniko-ekonomicheskoy informatsii, no. 10, 1961, 79-80

TEXT: In June 1960 a three-day seminar was held in Leningrad for the technical personnel of enterprises, scientific research institutes and designing offices from 20 Sovnarkhozes to study the practice of the Leningrad Sovnarkhoz plants in using styracryl, a quick-solidifying plastic developed by the Leningradskiy zavod zubovrachebnykh materialov (Leningrad Plant of Dental Materials) in 1957. Grade TIII(TSh) styracryl is a composition of powder and liquid. The powder is a product of combined polymerization of methylmetacrylate and styrene. The liquid is colorless and volatile with a 1.5 - 3% dimethyl aniline accelerant. The liquid and powder mixture is a fluid mass which polymerizes and solidifies at normal temperatures without pressure within 30-70 min. Styracryl possesses relatively high physical-mechanical and chemical properties. The high adhesion of grade TSh styracryl to metals and some other materials ensures its dependable

Card 1/2

Introducing the practice ...

29392

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A004/A101

bonding to punches and punch holders. The Chief Engineer of the Leningrad Plant of Dental Materials in his report pointed out that the use of 1 kg styraeryl results in savings of some 50 rubles. Since January, 1961, 612 enterprises of 39 Sovnarkhozes have been using styraeryl. The head of the laboratory of the Nauchno-issledovatel'skiy institut polimerizatsionnykh plastikov (Scientific Research Institute of Polymerization Plastics) NIIPP emphasized the necessity of expanding the styraeryl production. NIIPP is carrying out research work on the application of this new plastic. The representatives of the "Elektrosila" Plant and the Stankostroitel'nyy zavod im. Il'icha (Machine Tool Plant im. Il'ich) reported on the application of styraeryl at their plants.

Card 2/2

ZHUKOVA, O.G., otvetstvennaya za vypusk; BUNIN, I.N., otvetstvennyy za
vypusk; KHITROV, P.A., tekhn.red.

[Timetables for railroad passenger service; summer of 1958]
Ukazatel' zheleznodorozhnykh passazhirsikh soobshchenii, leto
1958 goda. Moskva, Gos.transp.zheldor.izd-vo, 1958. 679 p.
(MIRA 11:7)

1. Russia (1923- U.S.S.R.) Glavnoye passazhirskoye upravleniye.
(Railroads--Timetables)

BUNIN, I.N., otv.za vypusk; ZHUKOVA, O.G., otv.za vypusk; KHITROV, P.A.,
tekh.n.red.

[Passenger train schedules; winter 1958-1959] Raspisanie dvizhenia
passazhirskikh poezdov; zima 1958/59 goda. Moskva, Gos.transp.
shel-dor.izd-vo, 1959. 225 p. (MIRA 12:3)

1. Russia (1923- U.S.S.R.) Glavnoye passazhirskeye upravleniye.
(Railroads--Timetables)

ZHUKOVA, O.G., otv. za vypusk; KHITROV, P.A., tekhn.red.

[Abbreviated passenger train schedule; winter 1959/1960]
Raspisanie dvizhenia passazhirskikh poezdov (kratkoe);
zima 1959/60 goda. Moskva, Gos.transp.shel-dor.izd-vo,
1959. 231 p. (MIRA 13:1)

1. Russia (1923- U.S.S.R.) Glavnoye passazhirskoye uprav-
leniye.

(Railroads--Timetables)

ZHUKOVA, O.G., otv.za vypusk; BUNIN, I.N., otv.za vypusk; KHITROV,
P.A., tekhn.red.

[Timetable for passenger trains for summer 1959] Ukazatel'
shelezadnorodnykh passazhirsikh soobshchenii, leto 1959
goda. Moskva, Gos.transp.zhel-dor.isd-vo, 1959. 743 p.
(MIRA 12:8)

1. Russia (1923- U.S.S.R.) Ministerstvo putey soobshcheniya.
(Railroads--Timetables)

ZHUKOVA, O.G., otv. za vypusk; YAKUSHKIN, A.F., otv. za vypusk; KHITROV, P.A., tekhn.red.

[Timetable for passenger trains (abbreviated); winter 1960/61]
Raspisanie dvizheniia passazhirskikh poezdov (kratko); zima
1960/61 goda. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va
putei soobshcheniia, 1960. 239 p. (MIRA 13:12)

1. Russia (1923- U.S.S.R.) Glavnoye passazhirskoye upravleniye.
(Railroads--Timetables)

ZHUKOVA, O.G., otv. za vypusk; YAKUSHKIN, A.P., otv. za vypusk; KHITROV,
P.A., tekhn.red.

[Official timetable for railroad passenger transportation; summer
1960] Ukazatel' zheleznodorozhnykh passazhirskikh soobshchenii;
leto 1960 goda. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va
putei soobshcheniia, 1960. 784 p. (MIRA 13:5)

1. Russia (1923- U.S.S.R.) Ministerstvo putey soobshcheniya.
(Railroads--Timetables)

ZHUKOVA, O.G., *otv. za vypusk*; YAKUSHKIN, A.F., *otv. za vypusk*;
TAULIN, B.A., *otv. za vypusk*.

[Timetable for passenger trains; winter 1962-1963] Raspisanie
dvizheniia passazhirskikh pezdov (kratkoe); zima 1962/63.
Moskva, Transzheldorizdat, 1962. 255 p. (MIRA 15:12)
(Railroads--Timetables)

ZHUKOVA, O.G., otv. za vypusk

[Passenger train timetables; summer 1962] Ukazatel' zheleznodoro-
rozhykh passazhirskikh soobshchenii; leto 1962 goda. Moskva,
Tranzheldorfizdat, 1962. 695 p. (MIRA 16:1)
(Railroads--Timetables)

ZHUKOVA, O.G.

Antithyroid preparations as a means of preoperative preparation of patients with thyrotoxicosis. Nauch. rab. asp. i klin. ord. no.6: 191-199 '60. (MIRA 14:12)

1. III kafedra khirurgii (zav prof. B.S.Rozanov) Tsentral'nogo instituta usovershenstvovaniya vrachev.
(THYROID GLAND--DISEASES)

ZHUKOVA, O.G., otv. za vypusk; YAKUSHKIN, A.F., otv. za vypusk; VERINA,
G.P., tekhn. red.

[Timetable of passenger trains (abbreviated); summer 1961] Ras-
pisanie dvizhenia passazhirskikh poezdov (kratkoe); leto 1961 goda.
Moskva, Vses. izdatel' poligr. ob"edinenie M-va putei soobshchenia,
1961. 259 p. (MIRA 14:8)

1. Russia (1923- U.S.S.R.) Glavnoye passazhirskoye upravleniye
(Railroads--Timetables)

ZHUKOVA, O.G., otv. za vypusk; YAKUSHKIN, A.F., otv. za vypusk; KHITROV,
P.A., tekhn.red.

[Timetable of passenger trains; summer 1961] Ukazatel' zheleznodorozhnykh passazhirskikh soobshchenii, leto 1961 goda. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia, 1961. 656 p. (MIRA 14:6)

1. Russia (1923- U.S.S.R.) Ministerstvo putey soobshcheniya.
(Railroads—Timetables)

ZHUKOVA, O.M.

26

PHASE I BOOK EXPLOITATION

007/5742

Academiya nauk SSSR. Mezhdunarodnyy komitet po provedeniyu Mezhdunarodnogo geofizicheskogo goda. VIII razdel programmy IIG: Shiroty i dolgoty.

Prodvaritel'nyye rezul'taty issledovaniy kolebaniy shirot i dvizheniya polyasov zemli; sbornik statey (Preliminary Data of Latitude Variations and Migrations of the Earth's Poles; Collected Articles. No. 1) Moscow, Izd-vo AN SSSR, 1960. 97 p. Errata slip inserted. 1,000 copies printed.

PURPOSE: This collection of articles is intended for astronomers, geophysicists, and other scientists concerned with the problem of latitude variations and the migration of the Earth's poles.

COVERAGE: Part I of the collection contains preliminary results of latitude observations from 1957.5 through 1959.0 made at IGY stations in the USSR network, including new stations in Siberia. Part II consists of articles describing new instruments, observational programs and methods, and procedures of processing the latitude observational data. With the larger number of stations and the use of new instruments it is anticipated that the final results will provide a more comprehensive study of anomalies and instrumental

Card 1/5.

Preliminary Data of Latitude Variations (Cont.)

SOV/5742

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errors in latitude observations than has been possible previously. No personalities are mentioned. English abstracts and references follow each article.

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PART ONE

Koznashkaya, S. V., L. D. Kostina, and H. R. Andreyenko. Latitude Observations at the Main Astronomical Observatory of the Academy of Sciences USSR (Froyberg-Kondrat'yev Zenith-Telescope)

7

Yevtushenko, Ye. I., I. E. Ogorodnik, and O. V. Chuprunova. Observations of Talcott Pairs at the Poltava Gravimetical Observatory of the Ukrainian Academy of Sciences (Zeiss Zenith-Telescope)

9

Popov, N. A. Observations of Bright Zenith Stars at the Poltava Gravimetical Observatory of the Ukrainian Academy of Sciences (Zeiss Zenith-Telescope)

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Card 2/5

Preliminary Data of Latitude Variations (Cont.)

507/3742

PART 470

Balsharov, V. I., and I. F. Korbut. The Determination of Pulkovo Latitude Variations From Parallel Observations With Two Zenith Telescopes 34

Kalmykov, A. M. Preliminary Results of Comparing Observations With Two Zenith Telescopes of the Kitab Latitude Station During the Period 1957.5-1959.0 43

Gelikova, T. I., O. M. Zhukova, V. V. Mosterov, and Yu. I. Prodan. Preliminary Results of Processing Observations With the Moscow Zenith Telescopes During 1958 47

Potter, Kh. I., and V. A. Nannov. Theory and Method of Processing Photographic Zenith Tube [PZT] Observations 56

Bakhrakh, N. M., and Kh. I. Potter. List of Stars on the Pulkovo Photographic Zenith Tube [PZT] Program 68

Rubashovskiy, A. A., and Ye. P. Fedorov. On the Question of Evaluating the Accuracy of Latitude Observations 75

Card 4/5

KRIULIN, V.N., inzh.; ZDOROV, A.I., inzh.; ZHUKOVA, O.N., inzh.

Simplified method of calculating raw material mixes with the
aid of forms. Tsement 31 no.1:19-20 Ja-F '65.

(MIRA 18:4)

ZHUKOVA, O.T. (Moscow)

Thyroid changes in animals following administration of mercazolyl
[with summary in English]. Probl.endok. i gorm. 4 no.1:72-78
Ja-F'58 (MIRA 11:5)

1. Iz III kafedry khirurgii (zav. - prof. B.S. Rosanov) Tsentral'
nogo instituta usovershenstvovaniya vrachey (dir. - prof. V.P.
Lebedeva) na baze khirurgicheskogo otdeleniya bol'nitsy imeni
S.P. Botkina (glavnyy vrach - prof. A.N. Shabanov)

(THIOURACIL, related compounds

1 methyl-2-mercaptoimidazole 6 methylthiouracil, eff. on
thyroid gland (Rus))

(THYROID GLAND, effect of drugs on

1-methyl-2-mercaptoimidazole-6-methylthiouracil (Rus))

ZHUKOVA, O.T.

Preoperative preparation of patients with thyrotoxicosis by antithyroid preparations. Sov.med. 22 no.6:42-52 Jø '58 (MIRA 11:9)

1. Iz kafedry khirurgii (zav. - prof. B.S. Rozanov) Tsentral'nogo instituta usovershenstvovaniya vrachey (dir. V.P. Lebedeva) i khirurgicheskoy kliniki Moskovskoy gorodskoy klinicheskoy ordena Lenina bol'nitsy imeni S.P. Botkina (glavnyy vrach Prof. A.N. Shabanov). (HYPERTHYROIDISM, surg.

preop. prep. with thyroid antag. (Rus))

(THYROID ANTAGONISTS; ther. use

preop. admin. in surg. of hyperthyroidism (Rus))

15.2400

32789

S/137/61/000/012/064/149

A006/A101

AUTHORS: Blagin, V. I., Zhukova, P. F., Mikryukov, V. Ye., Pozdnyak, N. Z.

TITLE: Physical and mechanical properties of sulfidized sintered iron-copper-carbon alloys

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 12, 1961, 47, abstract 120332 ("Poroshk. metallurgiya", 1961, no. 2, 61 - 69, English summary)

TEXT: The authors studied strength, electric and thermal properties of Fe-Cu-C alloy specimens sintered (1,150°C, 1 hour), sulfidized, and annealed to granular perlite. Soaking with sulfur increases hardness by 20 - 50% and reduces strength by 10 - 30%. Annealing reduces hardness by 50 - 75% and strength by 30 - 60%. Sulfidizing causes an increase of heat conductivity by 15 - 20%, but does not change electric conductivity. It is expedient to use sulfidizing in cases when the production of cermet articles is connected with cutting machining and when they are intended for operation at high temperatures. X

R. Andriyevskiy

[Abstracter's note: Complete translation]

Card 1/1

BLAGIN, V.I.; ZHUKOVA, P.F.; MIKRYUKOV, V.Ye.; POZDNYAK, H.Z.

Physicomechanical properties of sulfidized iron-copper-carbon alloy
sinters. Porosh. met. 1 no.2:61-69 Mr-Ap #61. (MIRA 15:5)

1. Gor'kovskiy avtozavod, Moskovskiy gosudarstvennyy universitet i
Vsesoyuznyy zaochnyy politekhnicheskyy institut.
(CERAMIC METALS) (PROTECTIVE COATINGS)

ZHUKOVA, P.G.

Karyology of some species of Compositae in the Polar-Alpine Botanical Garden. Bot.zhur. 49 no.11:1656-1659 N '64.

(MIRA 18:1)

1. Polyarno-al'piyskiy botanicheskiy sad, g. Kirovsk.

ZHUKOVA, P.G.

Fertilization process of red clover in the Kola Peninsula (cyto-
-embryological research). Vest. Len.un. 10 no.1:17-28 Ja '55.
(Kola Peninsula--Clover)(Fertilization of plants) (MIRA 8:4)

ZHUKOVA, P.G.

Karyology of some Ranunculaceae species in the Polar-Alpine
Potanical Garden. Bot.zhur. 46 no.3:421-428 Mr '61. (MIRA 14:3)

1. Kol'skiy filial AN SSSR, Polyarno-al'piyskiy botanicheskiy sad,
g. Kirovsk.

(Kola Peninsula--Crewfoot)
(Chromosomes)

ZHUKOVA, P.G.

Variability in number and form of chromosomes in *Anemone crinita* Juz.
under conditions found in the Polar-Alpine Botanical Gardens.

Izv.Kar. i Kol'.fil.AN SSSR no.3:66-70 ' 58. (MIRA 11:12)

1. Polyarno-al'piyskiy botanicheskiy sad Kol'skogo filiala AN SSSR.
(Kirovsk (Murmansk Province)--Anemone)

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ZHUKOVA, P.G.

Development of the ovule and macrosporogenesis in *Anemone crinita* Juz.
Bot. zhur. 50 no.3:378-381 Mr '65. (MIRA 18:5)

1. Botanicheskiy institut imeni Komarova AN SSSR, Leningrad.

ZHUKOVA, P.O.

Karyologic characteristics of some plants of the Chukchi Peninsula. Bot.zhur. 50 no.7:1001-1004 JI '65.

(MIRA 18:11)

1. Botanicheskiy institut imeni Komarova AN SSSR, Leningrad.

ZIMA, V.Kh.; ZHUKOVA, P.I.; KOVAL'CHUK, Ye.I.

Improving the operating properties of stoppers for casting steel from large-capacity ladles. Ogneupory 26 no.10:48C-48E '61. (MIRA 14:11)

1. Zaporozhskiy ogneupornyy zavod (for Zima, Zhukova). 2. Zavod Zaporozhstal'" (for Koval'chuk).
(Refractory materials)
(Zaporozh'ye—Open-hearth furnaces—Equipment and supplies)

131-58-6-3/14

AUTHORS: Davydov, I. P., Sokolov, I. N., Trofimov, M. G., Zhukova, P. I., Koroshchenko, A. A.

TITLE: Working of Magnesite-Chromite and Chamotte Masses in Centrifugal Edge Mills "Model 115" (Pererabotka magnezitokhromitovykh i shamotnykh mass na tsentrobezhykh begunakh "Model' 115")

PERIODICAL: Ogneupory, 1958, Nr 6, pp. 250 - 257 (USSR)

ABSTRACT: The centrifugal edge mills "model 115" were developed by the Central Institute for Foundry-Machine Building. In the Zaporozh'ye works they are used for the working of the masses of refractory magnesite-chromite products as well as for chamotte masses. In figure 1 the construction of an edge mill for the production of refractory products is shown without any changes and then is described. The water is added automatically from the mains (see figure 2). The device for the supply of slip is shown in figure 3 and the total view of the edge mill "model 115" is shown in figure 4.

Card 1/3

1) Production of chromium magnesite products. In the Zaporozh'ye works the edge mills are mounted under the devices for dosaging

Working of Magnesite-Chromite and Chamotte Masses
in Centrifugal Edge Mills "Model 115"

131-58-6-3/14

the weight. The charge is 600 kg. In order to find out the optimum working regime the influence of the duration of working on the granulation of the mass, the density of the raw products, as well as the properties of the finished products were checked. The results can be seen from table 2. Based on these results the mixing cycle, as mentioned in the table, was found. In table 3 the average weight by volume of the raw products is mentioned for January-February 1958, worked on centrifugal edge mills as well as on mixing edge mills.

2) Production of chamotte products. The dosaging of clay and chamotte is carried out by means of automatic weighing devices, of the slip volumetrically and also automatically with pneumatic control. From table 4 the influence of the duration of working on the granulation of the masses can be seen. In table 5 the weights by volume of the unfinished pieces as well as the properties of the products with durations of the working cycle of from 3-5 minutes are mentioned. In the production of chamotte the optimum charge of the edge mills is 500 kg.

Card 2/3

Working of Magnesite-Chromite and Chamotte Masses
in Centrifugal Edge Mills "Model 115"

131-58-6-3/14

Final conclusions: 1) The centrifugal edge mills "model 115" can be used for the working of masses of magnesite-chromite as well as of chamotte products. It increases the output as well as the quality of the mass. 2) The use of centrifugal edge mills makes it possible to completely automatize the working process of the masses. 3) It would be useful to organize the production of these edge mills for the industry of refractories. There are 4 figures and 6 tables.

ASSOCIATION: Zaporozhskiy ogneupornyy zavod (Zaporozh'ye Works of Refractories)

1. Chromium-magnesium alloys--Processing 2. Refractory materials
--Production 3. Refractory materials--Properties 4. Foundries
--Equipment

Card 3/3

ZHUKOVA, P.N.

M

1

The effect of Metallic admixtures on the hall effect in silver. J. G. Dorfman and P.N. Zhukova (Zhur. Eksper.iTeoret. Fiziki (J. Exper.Theoret. Physios), 1939, 9, (1), 51-58).-(In Russian.) The Hall effect in alloys of silver with small additions of zinc, cadmium, tin, antimony, palladium, and platinum was investigated experimentally. Zinc, cadmium, and antimony in amounts up to 1 atomic-% increase the Hall constant, but decrease it when present in excess of that amount. Palladium and platinum in amounts up to 3 atomic% increase the Hall constant. The Hall constant of a number of alloys of silver with tin was determined at -180°C. The results obtained are explained on the basis of assuming the existence, in silver, of two electron levels which take part in effecting conductivity and which become filled by electrons derived from the admixed metals. The atoms of admixed normal metals are present in such alloys as ions.-N.A .

AS - 514 METALLURGICAL LITERATURE CLASSIFICATION

SHUR, Ya. S.; DROZHZHINA, V. I.; ZHUKOVA, P. N.

Recrystallization Annealing of Products made of Ferro-siliceous alloys as a
Method for the Sharp Increase in their Magnetic Properties

ZhTF 10, 1619, 1940

ZHUKOVA, P. N.

USSR/Metals

Steel, Chromium-Nickel Vanadium

Magnetism

Oct 48

"Magnetic Control of Quality of Heat Treatment of Articles Made From Chrome-Nickel Vanadium Steel," M. N. Mikheyev, P. N. Zhukova, A. P. Voroshilova, Inst Phys of Metals, Ural Affiliate, Acad Sci USSR, 7 pp

"Zavod Lab" Vol XIV, No 10

Studies relation of magnetic and electric properties of 20KhNFA and EKhTV chrome-nickel vanadium steel to temperature of annealing and tempering. Establishes possibility of control of the quality of annealing and tempering articles made from EKhTV chrome-nickel vanadium steel by measuring magnetic and electric properties.

PA 28/49T102

MIKHEYEV, M. N., ZHUKOVA, P. N., AND TOMILOV, G. S.

Magnetic and Electric Properties of Alloyed steels after Various Thermal Treatment

Coercive force, maximum magnetic permeability, saturation of magnetization, specific electric resistance, and hardness depending on thermal treatment of various steel alloys were studied for establishing best qualities of ready products. The causes of defects of steels 30 XGS, 41-34, 5 XBC, 40 CX were established. (RZhFiz, No. 8, 1955)
Tr. in-ta Fiziki Metallov Uralsk. Fil AN SSSR, No 15, 1954, 90-102

SO: Sum. No. 744, 8 Dec 55 - Supplementary Survey of Soviet Scientific Abstracts (17)

ZHUKOVA, P. S., kand. sel'skokhoz. nauk

Chemical weed control in onion, carrot, and beet fields.

Zashch. rast. ot vred. i bol. 6 no. 6:33 Je '61.

(MIRA 16:4)

(Weed control)

USSR/Microbiology - Soil Microbiology.

F-3

Abs Jour : Ref Zhur - Biol., No 3, 1958, 9861

Author : Zhukova, R.A.

Inst :

Title : Microbiological Examinations of Virgin Soils of Kolsky Peninsula.

Orig Pub : Mikrobiologiya, 1956, 25, No 5, 569-576

Abstract : Richest in microflora are soils of lowland marshes; of mineral soils, the least inhabited ones are ferrous podzols and relatively more so-- mildly podzol peat soils. In podzol soils the number of microorganisms decreases with depth. Most inhabited is horizon A₀; there are more organisms in horizon B than in horizon A₂ (evidently because of larger humus content and less acid reaction of medium in horizon B). Richest in microflora in soils of lowland marshes are the upper layers; in upper marshes-- the lower layers. Most numerous in all soils are

Card 1/2

ZHUKOVA, R.A.

Effect of cultivation on the microflora of the humus-iron
Pdzol of Kola Peninsula. R. A. Zhukova. Mikrobiologiya 27
no.2:195-200 Mr-Apr '58 [with summary in English] (MIRA 11:5)

1. Polyarnool'pyskiy botanicheskiy sad Kgl'skogo filiala
AN SSSR im. S.M. Kirova.
(KOLA PENINSULA--SOILS--BACTERIOLOGY)

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